Test Report
Consistency test

Project Name	Construction of Dhobhighat in ward no.01
Client	The Executive Engineer, Yelahanka Division
Job No	TFU/BBMP/EE/YNK/PMC/W-1/2018-19/QR
Mix Type	Plain cement concrete(1:4:8)
Contractor	Sri.Y.B.Ramesh
Test Method	IS : 4031 (Part 5) -1988 & Specification for Road & Bridge Works, MORT&H, Rev-V.
Location	At Site
Material	Cement
Sample No	1
Sample Collected Date	Jun/5/2018, Jun/20/2018
Tested Date	16-Jun-2018

Sl. No.	Description	Trial 1	Trial 2	Trial 3	Trial 4	Trial 4
1	Weight of Cement	400	400	400	400	400
2	Percentage of water added (%)	27	28.5	29.5	30	30.5
3	Weight of Water (gm)	108	114	118	120	122
4	Initial Reading of Plunger (mm)	40	40	40	40	40
5	Difference (mm)	19	16	11	6.5	5.5

Results: Standard Consistency of Cement: 30.50%

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

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Test Report
Soundness test

Project Name	Construction of Dhobhighat in ward no.01
Client	The Executive Engineer, Yelahanka Division
Job No	TFU/BBMP/EE/YNK/PMC/W-1/2018-19/QR
Mix Type	Plain cement concrete(1:4:8)
Contractor	Sri.Y.B.Ramesh
Test Method	IS : 4031 (Part 3) -1988 & Specification for Road & Bridge Works, MORT&H, Rev-V.
Location	At Site
Material	Cement
Sample No	1
Sample Collected Date	Jun/5/2018, Jun/20/2018
Tested Date	16-Jun-2018

Sl. No.	Description	Trial 1	Trial 2	Trial 3
1	Initial Distance between the indicator points of Lechatelier mould	11	10	11
2	Final Distance between the indicator points of Lechatelier mould	16	17	13
3	Difference or expansion	5	7	2
4	Average Differences or Expansion in mm	4.67		

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Results: Difference in Expansion of Cement: 4.67mm

Comments: Maximum allowable Expansion of cement is 10mm.

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Test Report
Concrete Compresive strength

Project Name	Construction of Dhobhighat in ward no.01
Client	The Executive Engineer, Yelahanka Division
Job No	TFU/BBMP/EE/YNK/PMC/W-1/2018-19/QR
Mix Type	Concrete(M25) for Column
Contractor	Sri.Y.B.Ramesh
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Sample Collected Date	22-Aug-2018
Tested Date	29-Aug-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	25	7	6.89	150*150*150	2041.48	324	0.0225	14.40	14.34	14.59
2	25	7	6.86	150*150*150	2032.59	325	0.0225	14.44		
3	25	7	6.77	150*150*150	2005.93	319	0.0225	14.18		
4	25	7	7.07	150*150*150	2094.81	328	0.0225	14.58	14.83	
5	25	7	6.77	150*150*150	2005.93	335	0.0225	14.89		
6	25	7	6.66	150*150*150	1973.33	338	0.0225	15.02		

Results: 7-days Compressive strength of cement is 14.59 N/mm2

Note:

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